

# SAFETY DATA SHEET

Poly-Tone Reducer

09-04700

## 1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

PRODUCT NAME: **Poly-Tone Reducer**  
 PRODUCT NUMBER: R65-75

SUPPLIER: Poly-Fiber, Inc.  
 P.O. Box 3129, Riverside, CA 92519, USA  
 4343 Fort Drive, Riverside, CA 92509, USA  
 (951) 684-4280  
 (951) 809-7144  
 (760) 782-1947

EMERGENCY TELEPHONE: (800) 424-9300 (Chemtrec- US)  
 (703) 527-3887 (International – Call Collect)

## 2 - HAZARDS IDENTIFICATION

### GHS Hazard Category

Flammable liquid Category 2  
 Eye Irritation Category 2A  
 Skin Irritation Category 2  
 Respiratory Irritation Category 3  
 Specific target organ toxicity (single exposure) – Category 3, Central Nervous System  
 Specific target organ toxicity (repeated exposure) - Category 2  
 Reproductive toxicity Category 2  
 Aspiration hazard Category 1  
 Acute toxicity, Inhalation Category 4  
 Acute toxicity, Dermal Category 4  
 Acute toxicity, Oral Category 4  
 Carcinogenicity Category 2  
 Acute aquatic toxicity Category 2  
 Chronic aquatic toxicity Category 2

### Label Elements

#### Pictograms



#### Signal Word

**DANGER**

#### Hazard Statements

**⚠ WARNING:** This product can expose you to chemicals including Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

|  |        |
|--|--------|
| Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poison Schedule: | 6      |
| Australian Inventory of Chemical Substances (AICS)                                     | Listed |
| New Zealand Inventory of Chemicals (NZIoC)   | Listed |
| Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB 76)                       | 16     |

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H227 Combustible liquid

H302 + H332 Harmful if swallowed or if inhaled

H304 May be fatal if swallowed and enters airways.

H312 + H332 Harmful in contact with skin or if inhaled

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child

H373 May cause damage to organs through prolonged or repeated exposure.

H401 Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects.

### Precautionary Statements

### Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ eye protection/ face protection.
- P281 Use personal protective equipment as required.

**Response**

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P331 Do NOT induce vomiting.
- P332 + P313 If skin irritation occurs: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage**

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

**Disposal**

- P501 Dispose of contents/ container to an approved waste disposal plant.

**3 – COMPOSITION /INFORMATION ON INGREDIENTS**

| Name    | EC No.    | CAS No.  | Content % | GHS Classification  |
|---------|-----------|----------|-----------|---|
| Toluene | 203-625-9 | 108-88-3 | 50-60%    | Flammable liquids (Category 2), H225<br>Skin irritation (Category 2), H315<br>Reproductive toxicity (Category 2), H361<br>Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336<br>Specific target organ toxicity - repeated exposure (Category 2), H373<br>Aspiration hazard (Category 1), H304<br>Acute aquatic toxicity (Category 2), H401 |

|                                     |           |           |        |   |
|-------------------------------------|-----------|-----------|--------|---|
| Methyl Isobutyl Ketone              | 203-550-1 | 108-10-1  | 10-20% | Flammable liquids (Category 3), H226<br>Acute toxicity, Inhalation (Category 4), H332<br>Acute toxicity, Dermal (Category 4), H312<br>Skin irritation (Category 2), H315<br>Carcinogenicity (Category 2), H351<br>Specific target organ toxicity - repeated exposure (Category 2), H373<br>Aspiration hazard (Category 1), H304<br>Acute aquatic toxicity (Category 2), H401<br>Chronic aquatic toxicity (Category 2), H411 |
| Methyl n-Amyl Ketone                | 203-767-1 | 110-43-0  | 10-20% | Flammable liquids (Category 3), H226<br>Acute toxicity, Oral (Category 4), H302<br>Acute toxicity, Inhalation (Category 4), H332  |
| Ethylene Glycol Mono-n-propyl Ether | 220-548-6 | 2807-30-9 | 10-20% | Flammable liquids (Category 3), H226<br>Acute toxicity, Dermal (Category 4), H312<br>Eye irritation (Category 2A), H319   |
| Glycol Ether EB                     | 203-905-0 | 111-76-2  | 0-10%  | Flammable liquids (Category 4), H227<br>Acute toxicity, Oral (Category 4), H302<br>Acute toxicity, Inhalation (Category 4), H332<br>Acute toxicity, Dermal (Category 4), H312<br>Skin irritation (Category 2), H315<br>Eye irritation (Category 2A), H319   |

The Full Text for all H-Statements and P-Statements is displayed in Section 15

#### COMPOSITION COMMENTS

The data shown are in accordance with the latest GHS Directives.

#### 4- FIRST AID MEASURES

##### INHALATION:

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

##### INGESTION:

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

##### SKIN CONTACT:

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

##### EYES CONTACT:

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

#### 5- FIRE FIGHTING PROCEDURES

##### EXTINGUISHING MEDIA:

Fire can be extinguished by using Foam, carbon dioxide, or dry powder, Dry Chemicals, sand, dolomite, etc...

##### SPECIAL FIREFIGHTING PROCEDURES:

Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.

##### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

#### 6-ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS:

Wear protective clothing as described in Section 8.

##### ENVIRONMENTAL PRECAUTIONS:

Spillages or uncontrolled discharges into watercourses must immediately be alerted to Environmental Agency or other appropriate regulatory authority.

**SPILL CLEANUP METHODS:**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, open flames, and smoking. Ventilate. Absorb in vermiculite, dry sand, or earth and place into containers for disposal.

**7-HANDLING AND STORAGE**

**USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flames. Avoid spilling, skin and eyes contact. Use with adequate ventilation and avoid excessive exposure to solvent vapors. Use approved respirator if air contamination exceeds the accepted level.

**STORAGE PRECAUTIONS:**

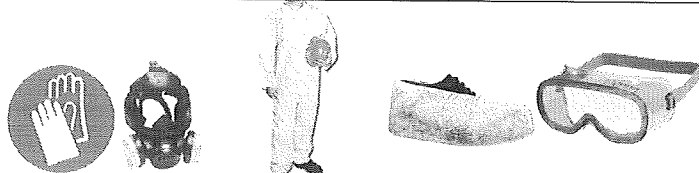
FLAMMABLE/Combustible. Keep away from oxidizers, open flames and other ignition sources. Keep unused contents in original container and tightly closed lids. Store in a cool, dry and well-ventilated place and at an ambient Temperature not to exceeding above 120°F.

**STORAGE CLASS:**

FLAMMABLE liquid storage.

**8-EXPOSURE CONTROL/PERSONAL PROTECTION**

| Name                                | Workplace Exposure Limits  | Remarks   |
|-------------------------------------|--|---|
| Toluene                             | ACGIH: 20 ppm TWA<br>NIOSH: 100 ppm TWA; 375 mg/m3 TWA 500 ppm IDLH<br>OSHA-Final PELs: 200 ppm TWA; 300 ppm Ceiling       | Consult local authorities for acceptable exposure limits. |
| Methyl Isobutyl Ketone              | ACGIH: 50 ppm; 75 ppm STEL<br>NIOSH: 50 ppm TWA; 205 mg/m3 TWA 500 ppm IDLH<br>OSHA-Final PELs: 100 ppm TWA; 410 mg/m3 TWA | Same As Above   |
| Methyl N-Amyl Ketone                | ACGIH: 50 ppm TWA<br>OSHA: 100 ppm TWA   | Same As Above   |
| Glycol Ether EB                     | ACGIH: 20 ppm TWA<br>NIOSH: 5 ppm TWA; 24 mg/m3 TWA 700 ppm IDLH<br>OSHA-Final PELs: 50 ppm TWA; 240 mg/m3 TWA             | Same As Above   |
| Ethylene Glycol Mono-n-propyl Ether | None established   | Same As Above   |



**PROTECTIVE EQUIPMENTS:**

**PROCESS CONDITIONS:**

**ENGINEERING MEASURES:**

**RESPIRATORY EQUIPMENT:**

**HANDPROTECTION:**

**EYE PROTECTION:**

**OTHER PROTECTION:**

**HYGIENE MEASURES:**

DO NOT SMOKE IN THE WORK AREA. Wash at the end of each work shift and before eating, drinking or smoking. Promptly remove contaminated clothing.

Provide eyewash station.

Provide adequate ventilation. Fully equipped spray booth is recommended to ensure the workers legal exposure limits are not exceeded.

Wear respirator with appropriate cartridge for organic solvents and chemicals.

Wear approved gloves such as Neoprene, Nitrile or Rubber types.

Wear splash-proof goggles.

Wear appropriate clothing to prevent any possible skin contact.

**9- PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:**

Liquid

**COLOR:**

Clear

**ODOR:**

Ketone odor

**BOILING POINT:**

172-345° F

VAPOR DENSITY: Heavier than air  
 FLASH POINT: 43 °F (Closed Cup)  
 FLAMMABILITY LIMITS: NA  
 SOLUBILITY VALUE  
 (g/100g H<sub>2</sub>O @ 20°C): Insoluble  
 VOLATILE ORGANIC COMPOUND  
 (VOC): 864 g/L

**10- STABILITY AND REACTIVITY**

## STABILITY:

Stable

## CONDITIONS TO AVOID:

Heat and fires. Ignition sources.

## INCOMPATIBILITY (MATERIALS TO AVOID):

Strong alkalis or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings. May react strongly with acids while in liquid form.

## HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Hydrogen chloride and very small amounts of phosgene and chlorine.

## HAZARDOUS POLYMERIZATION:

N/A

**11-TOXICOLOGICAL INFORMATION**

**Toluene (CAS# 108-88-3):** ACGIH: A4-Not Classifiable as a Human Carcinogen; IARC: Group 3 carcinogen; No other toxicological information available

**Methyl Isobutyl Ketone (CAS#108-10-1):** LD50/rat/oral = 2080mg/kg; Carcinogenicity: Not listed by NTP or IARC.

**Methyl n-Amyl Ketone (CAS#110-43-0):** LD50/rabbit/dermal = 12.6mL/kg; LD50/rat/oral = 1600mg/kg; Carcinogenicity: Not listed by IARC, NTP or OSHA.

**Glycol Ether EB (CAS#111-76-2):** Carcinogenicity: Not listed by NTP, IARC or OSHA.

**Ethyl.Glyc.Monopropyl Ether (CAS#2807-30-9):** LD50/rat/oral=3089mg/kg, LD50/mouse/oral=1774 mg/kg, LC50/rat/6 hrs > 2132 ppm, LD50/rabbit/dermal=1337 mg/kg, Skin Irritation/guinea pig=slight, Skin Irritation/rabbit=slight, Eye Irritation/rabbit=strong, Skin Sensitization/guinea pig=none.

**12- ECOLOGICAL INFORMATION**

**Toluene (CAS#108-88-3):** Ecotoxicity : No data available; Environmental : From soil, substance evaporates and is microbially biodegraded. In water, substance volatilizes and biodegrades; Physical: Photo chemically produced hydroxyl radicals degrade substance.

**Methyl Isobutyl Ketone (CAS#108-10-1):** Ecotoxicity : Not expected to be toxic to terrestrial life; Environmental : substance evaporates and biodegrades when released to soil, water and air.

**Methyl n-Amyl Ketone (CAS#110-43-0):** Ecotoxicity: No data available.

**Glycol Ether EB (CAS#111-76-2):** Ecotoxicity: Not expected to be toxic to aquatic life. Environmental: substance evaporates and biodegrades when released to soil, water and air.

**Ethyl.Glyc.Monopropyl Ether (CAS#2807-30-9) :** Oxygen Demand Data: BOD-5:1.3 g/g; BOD-20: 1.6 g/g COD (Chemical Oxygen Demand):: 2.04 g/g ThBOD: 1.98 g/g Acute Aquatic Effects Data: 96 h LC-50 (fathead minnow): > 91.3 mg/l NOEC: 91.3 mg/l , 96 h LC-50 (daphnid): > 91.3 mg/l NOEC: 91.3 mg/l, 96 h LC-50 (flatworm): > 91.3 mg/l NOEC: 91.3 mg/l, 96 h LC-50 (snail): > 91.3 mg/l NOEC: 91.3 mg/l

**13 – DISPOSAL CONSIDERATIONS**

Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

**I certify that all chemicals in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA.**

**14 – TRANSPORT INFORMATION**

DOT / ADR / RID Classification:

DOT PROPER SHIPPING NAME:

PAINT RELATED MATERIAL

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER:

UN1263

PACKING GROUP: II

IMDG and ADN Classification:

IMDG PROPER SHIPPING NAME: PAINT RELATED MATERIAL  
 IMDG UN CLASS: 3  
 IMDG UN NUMBER: UN1263  
 IMDG PACKING GROUP: II  
 IMDG LABEL: FLAMMABLE LIQUID  
 IMDG VESSEL STOWAGE: B

Air shipping this product is not advised and if done must be handled by a certified carrier according to IATA rules.

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 15 - REGULATORY INFORMATION
 

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GHS LABEL:

**DANGER**

**HIGHLY FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED AND ENTERS AIRWAYS.**

Refer to SDS for additional information on safe handling / use. - Keep out of reach of children. For industrial use only.

**Contains:** Toluene (50-60%), Methyl Isobutyl Ketone (10-20%), Methyl n-Amyl Ketone (10-20%), Ethylene Glycol Mono-n-propyl Ether (10-20%), and Glycol Ether EB (0-10%).

**Hazard Statements**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H227 Combustible liquid

H302 + H332 Harmful if swallowed or if inhaled

H304 May be fatal if swallowed and enters airways.

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H315 Causes skin irritation.

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## **Precautionary Statements**

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P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
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### **Response**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
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### **Storage**

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P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### **Disposal**

P501 Dispose of contents/ container to an approved RCRA waste disposal plant.



Preparation Date: 06/10/2020

Version: [GHS-AUS-NZ]

**16- DISCLAIMER**

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Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.

